

Rabbit anti-Human, Mouse KCNA2 Polyclonal Antibody | anti-KCNA2 antibody

KCNA2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279692	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

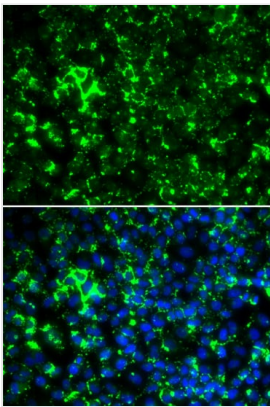
PRODUCT SYNONYMS

KCNA2; Polyclonal Antibody; KCNA2 Polyclonal Antibody; HK4; MK2; HBK5; NGK1; RBK2; HUKIV; KV1.2; anti-KCNA2 antibody

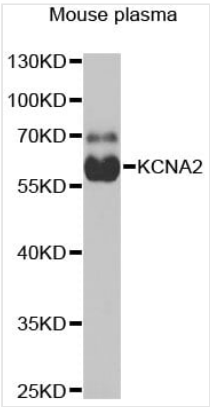
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	499
Applicable Applications for anti-KCNA2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human KCNA2
Calculated Molecular Weight	57kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using KCNA2 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of mouse plasma, using KCNA2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNA2 antibody	Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class, members of which allow nerve cells to efficiently repolarize following an action potential. The coding region of this gene is intronless, and the gene is clustered with genes KCNA3 and KCNA10 on chromosome 1.
Product Categories/Family for anti-KCNA2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	1345813
NCBI GeneID	3737
UniProt Accession #	P16389; Q86XG6; A0A024R0D3; A8K1Z6
Molecular Weight	499
NCBI Official Full Name	Potassium voltage-gated channel subfamily A member 2
NCBI Official Synonym Full Names	potassium voltage-gated channel, shaker-related subfamily, member 2
NCBI Official Symbol	KCNA2
NCBI Official Synonym Symbols	HK4; MK2; HBK5; NGK1; RBK2; HUKIV; Kv1.2
NCBI Protein Information	potassium voltage-gated channel subfamily A member 2; voltage-gated K(+) channel HuKIV; voltage-gated potassium channel HBK5; voltage-gated potassium channel protein Kv1.2; voltage-gated potassium channel subunit Kv1.2
UniProt Protein Name	Potassium voltage-gated channel subfamily A member 2
UniProt Gene Name	KCNA2
UniProt Entry Name	KCNA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kcna2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/279692>